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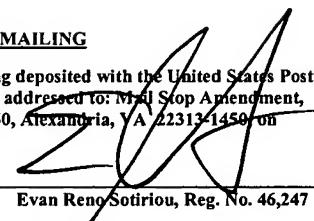
PATENT  
ATTY. DKT. NO.: 148045

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pei Hsuon Chan et al. : Art Unit:  
Serial No.: 10/761,043 : Examiner:  
Filed: January 20, 2004 :  
For: DIAGONAL-ARRANGED  
QUADRATURE MRI RADIO  
FREQUENCY ARRAY COIL  
SYSTEM FOR THREE  
DIMENSIONAL PARALLEL  
IMAGING

CERTIFICATE OF MAILING

I certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment,  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on  
December 29, 2004.

  
Evan Reno Sotiriou, Reg. No. 46,247

## INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98.

1. A list of documents on form PTO/SB/08A (Substitute for form 1449/PTO) together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report or communication from a non-US patent office or an International Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

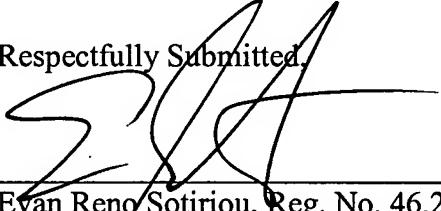
This paper is submitted in accordance with:

2. 37 CFR 1.97(b): [within three months of national, non-CPA filing, prior to first Office Action, on the merits, or prior to first office action after filing an RCE]

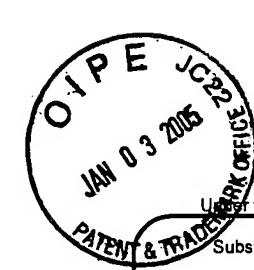
- 3. 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
  - a. The required Certification made in item 5 below; or
  - b. The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
- 4. 37 CFR 1.97(d): [on or before issue fee payment]; and
  - a. The required Certification is stated in item 5 below; and
  - b. The \$180.00 fee specified in 37 C.F.R. 1.17(p) for submission of this Information Disclosure Statement is authorized in item 6 below.
- 5. Certification
  - a. Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
  - b. No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- 6. Payment of all applicable fees:
  - Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 01-2384.
  - Enclosed is a check in the amount of \$ \_\_\_\_\_ in payment of all applicable fees associated with the submittal of this Information Disclosure Statement.

This document is submitted in duplicate.

Respectfully Submitted,



Evan Reno Sotiriou, Reg. No. 46,247  
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One Metropolitan Square, Suite 2600  
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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
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Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 2

<b>Complete if Known</b>	
Application Number	10/761,043
Filing Date	January 20, 2004
First Named Inventor	Pei Hsuon Chan
Art Unit	2862
Examiner Name	
Attorney Docket Number	148045NM

**U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		T <sup>6</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				<b>Application Number</b>	10/761,043
				<b>Filing Date</b>	January 20, 2004
				<b>First Named Inventor</b>	Pei Hsuon Chan
				<b>Art Unit</b>	2862
				<b>Examiner Name</b>	
Sheet	2	of	2	Attorney Docket Number	148045NM

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	BA	"SENSE: Sensitivity Encoding for Fast MRI", Pruessman, et al., Magnetic Resonance in Medicine, Vol. 42, p952 - p962 (1999).		T <sup>2</sup>
	BB	"Synergy Body Coil Optimal Design for SENSE Imaging". P.C.H.A. Haans, ISMRM 8th Annual Meeting, p557 (2000). (CDROM).		
	BC	"An array that exploits phase for SENSE Imaging", Hajnal, et al., ISMRM 8th Annual Meeting, p1719 (2000).		
	BD	"Specific Coil Design for SENSE: A Six-Element Cardiac Array", Weiger, et al., Magnetic Resonance in Medicine, Vol. 45, p495 - p504 (2001).		
	BE	"Concentric Coil Arrays for Spatial Encoding in Parallel MRI", Ohlinger, et al., ISMRM 9th Annual Meeting, p21 (2001).		
	BF	"Torso Array Coil with Eight QD-Surface Coils for Parallel Imaging", Okamoto, et al., ISMRM 10th Annual Meeting, p859 (2002). (CDROM)		
	BG	"An 8 Channel Cardiac SENSE Array", Klinge, et al., ISMRM 10th Annual Meeting, p904 (2002). (CDROM)		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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